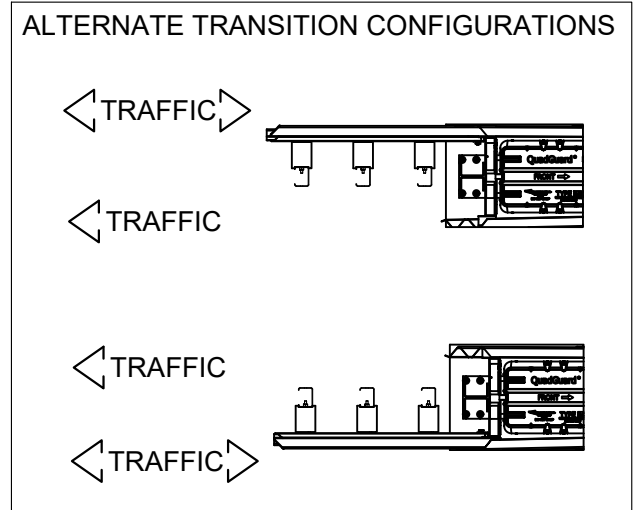


- NOTES:
- IN COMPLIANCE WITH THE AASHTO 2011 ROADSIDE DESIGN GUIDE, MANUFACTURER RECOMMENDS REMOVAL OF ALL CURBS AND ISLANDS TO ENSURE PROPER IMPACT PERFORMANCE.
  - PROVISION SHALL BE MADE FOR REAR FENDER PANELS TO SLIDE REARWARD UPON IMPACT 762 MIN.
  - 150 MIN. REINFORCED 28 MPa P.C. CONCRETE PAD OR 200 MIN. NON-REINFORCED 28 MPa P.C. CONCRETE ROADWAY, MEASURING AT LEAST 3.66 m WIDE BY 15.24 m LONG. ANCHOR BLOCK IS NOT REQUIRED WHEN USING CONCRETE PAD INSTALLED AGAINST AN IMMOVABLE STRUCTURE SUCH AS A CONCRETE WALL OR ABUTMENT.
  - SEE THE "QUADGUARD M10 SYSTEM PRODUCT MANUAL", FOR A DESCRIPTION OF ITS IMPACT PERFORMANCE CHARACTERISTICS AND DESIGN LIMITATIONS BEFORE PLACING A SYSTEM AT A GIVEN SITE.
  - WHERE NECESSARY, THE CUSTOMER SHALL SUPPLY AN ADEQUATE TRANSITION FROM THE QUADGUARD M10 SYSTEM TO THE OBJECT BEING SHIELDED.

- UNITS OF MEASUREMENT ARE MILLIMETERS, UNLESS OTHERWISE NOTED.
- BACKUP, MONORAIL, TRANSITION AND NOSE ASSEMBLIES NOT INCLUDED IN MODEL NUMBER, ORDER SEPARATELY.
- TRANSITION PANELS AND RELATED FASTENERS ARE ACCESSORY ITEMS. THEY MAY BE ORDERED AS A TRANSITION ONLY, OR AS A COMPLETE TRANSITION ASSEMBLY.
- THE QUADGUARD M10 3-BAY SYSTEM HAS BEEN TESTED TO MASH TEST LEVEL 2.
- THE QUADGUARD M10 6-BAY SYSTEM HAS BEEN TESTED TO MASH TEST LEVEL 3.
- TRANSITION PANEL SHALL BE ANGLED SUCH THAT MAXIMUM GAP FROM FENDER PANEL OVERLAP DOES NOT EXCEED 20.

KEY	
① CARTRIDGE	④ MONORAIL
② DIAPHRAGM	⑤ NOSE ASSEMBLY
③ FENDER PANEL	⑥ BACKUP
	⑦ TRANSITION



BAYS	610 WIDTH	SYSTEM LENGTH	EFFECTIVE LENGTH	PAD LENGTH	MAX DESIGN SPEED	# OF M-I CARTRIDGES	# OF M-II CARTRIDGES
	MODEL #	m	m	m	km/h	TYPE M-I	TYPE M-II
3	QM7024	3.96	3.56	3.66	70	3	1
6	QM10024	6.71	6.30	6.40	100	4	3

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/08/2023	UPDATED CONCRETE BLOCK LOCATION	KZ	PP	PP
1	22/09/2021	I-BEAM POSTS REPLACED BY C-POSTS	VB	PP	PP

DRAWING NUMBER	REFERENCE DRAWINGS

NAME	DATE
DRAWN VB	28.10.2020
CHECKED PP	28.10.2020
APPROVED PP	28.10.2020
SCALE N.T.S. @ A3	
ISSUE FOR INFORMATION ONLY	

INGAL CIVIL PRODUCTS  
A valmont COMPANY

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PROJECT	TITLE
QUADGUARD	QUADGUARD M10 TRANSITION TO EZY-GUARD HC

INGAL CIVIL PRODUCTS PART No.	DRAWING No.
	QUAD-STD-004